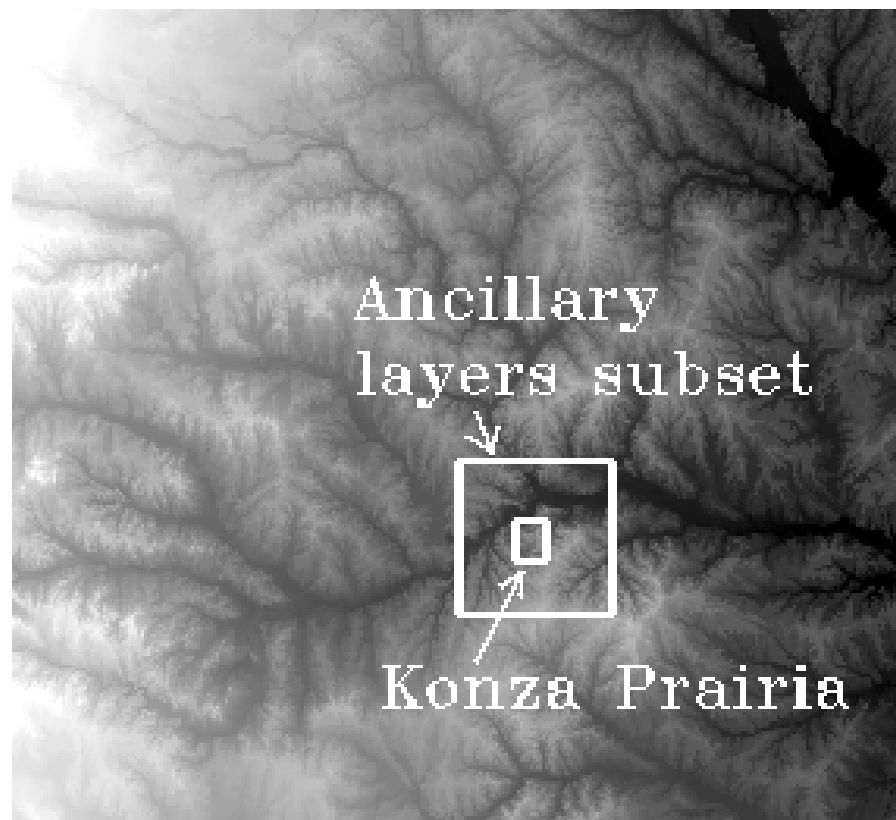


# *Ancillary data analysis*

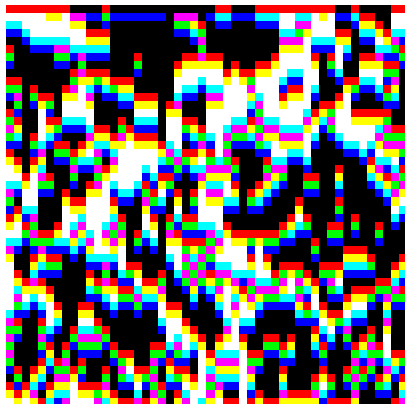


Elevation layer used to show subset area

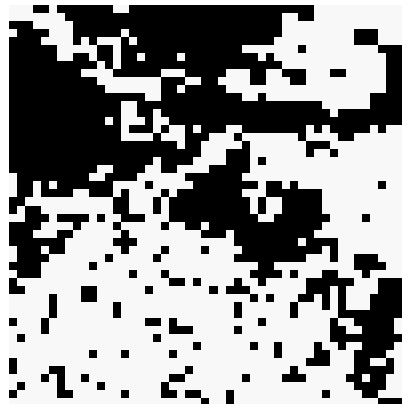


## *Grassland maps*

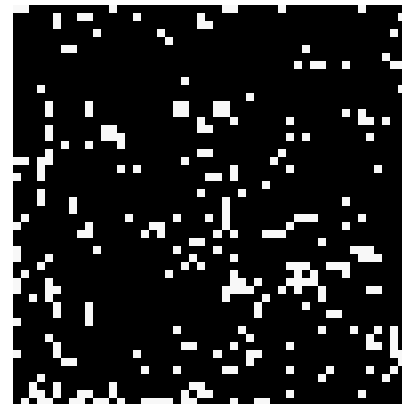
White pixels correspond to “Grassland”



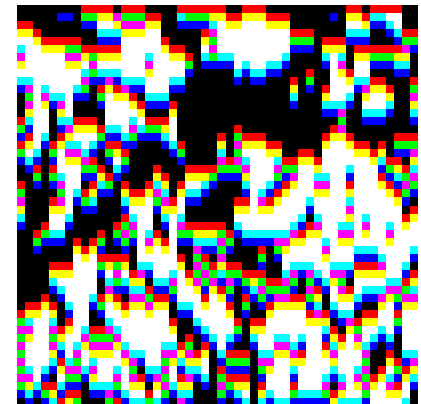
Biome:  
Grass &  
cereal crops



EDC:  
Grassland



Umd:  
Grassland



Umd:  
Wooded  
Grassland



# Map classes

## Biome Classification:

Unclassified: 0 points (0.0000%)  
 grassland: 1,046 points (41.8400%)  
 shrubs: 0 points (0.0000%)  
 crops broad: 23 points (0.9200%)  
 savannah: 1,323 points (52.9200%)  
 broad forest: 26 points (1.0400%)  
 needle forest: 11 points (0.4400%)  
 non veg: 42 points (1.6800%)  
 water: 29 points (1.1600%)

## EDC Classification:

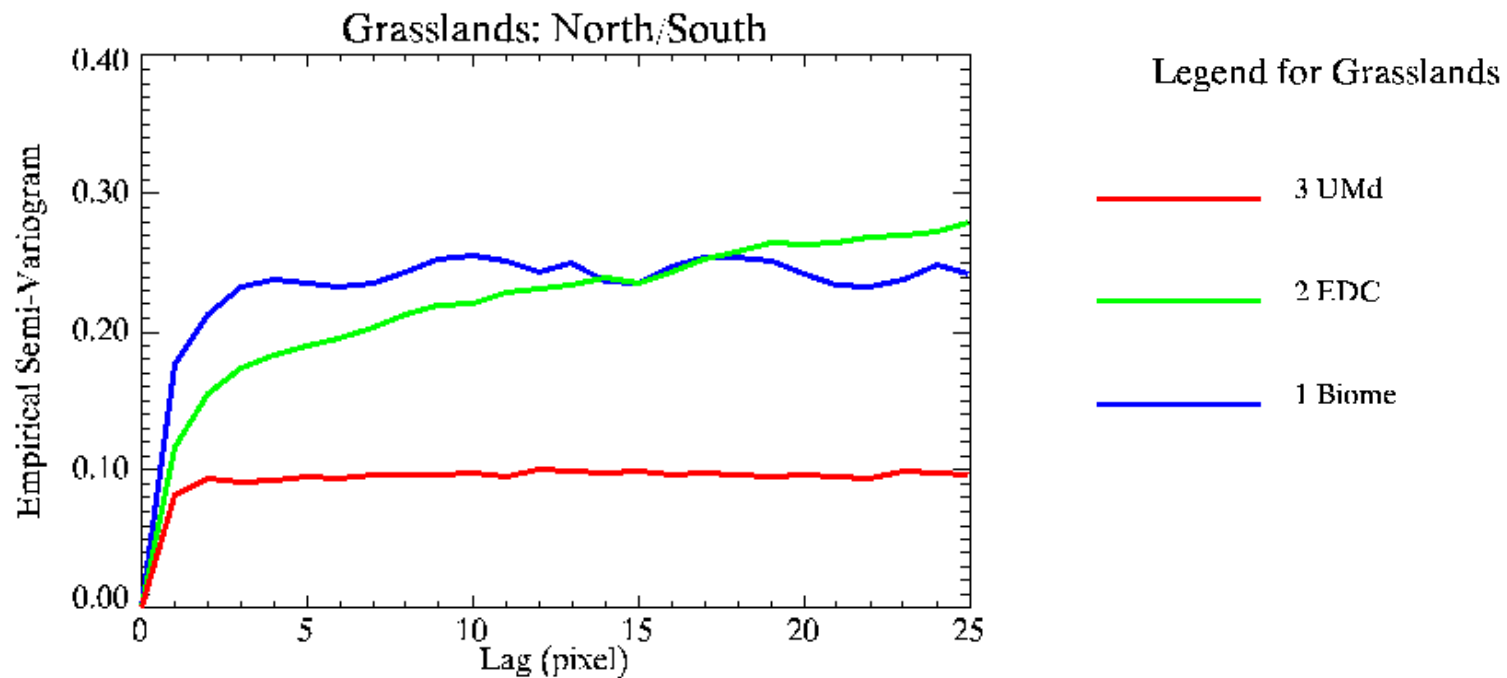
Unclassified: 0 points (0.0000%)  
 evergreen needle: 23 points (0.9200%)  
 evergreen broad: 0 points (0.0000%)  
 deciduous needle: 0 points (0.0000%)  
 deciduous broad: 0 points (0.0000%)  
 mixed forest: 39 points (1.5600%)  
 closed shrubland: 0 points (0.0000%)  
 open shrubland: 0 points (0.0000%)  
 woody savannah: 70 points (2.8000%)  
 savannah: 0 points (0.0000%)  
 grassland: 1,407 points (56.2800%)  
 wetland: 0 points (0.0000%)  
 cropland: 591 points (23.6400%)  
 urban: 42 points (1.6800%)  
 modaic: 301 points (12.0400%)  
 snow ice: 0 points (0.0000%)  
 barren: 0 points (0.0000%)  
 water: 27 points (1.0800%)

## UMd Classification:

water: 22 points (0.8800%)  
 evergreen needle: 0 points (0.0000%)  
 evergreen broad: 0 points (0.0000%)  
 deciduous needle: 0 points (0.0000%)  
 deciduous broad: 0 points (0.0000%)  
 mixed forest: 0 points (0.0000%)  
 woodland: 59 points (2.3600%)  
 wooded grassland: 1,270 points (50.8000%)  
 closed shrubland: 0 points (0.0000%)  
 open shrubland: 0 points (0.0000%)  
 grassland: 273 points (10.9200%)  
 cropland: 834 points (33.3600%)  
 bare ground: 0 points (0.0000%)  
 Urban: 42 points (1.6800%)

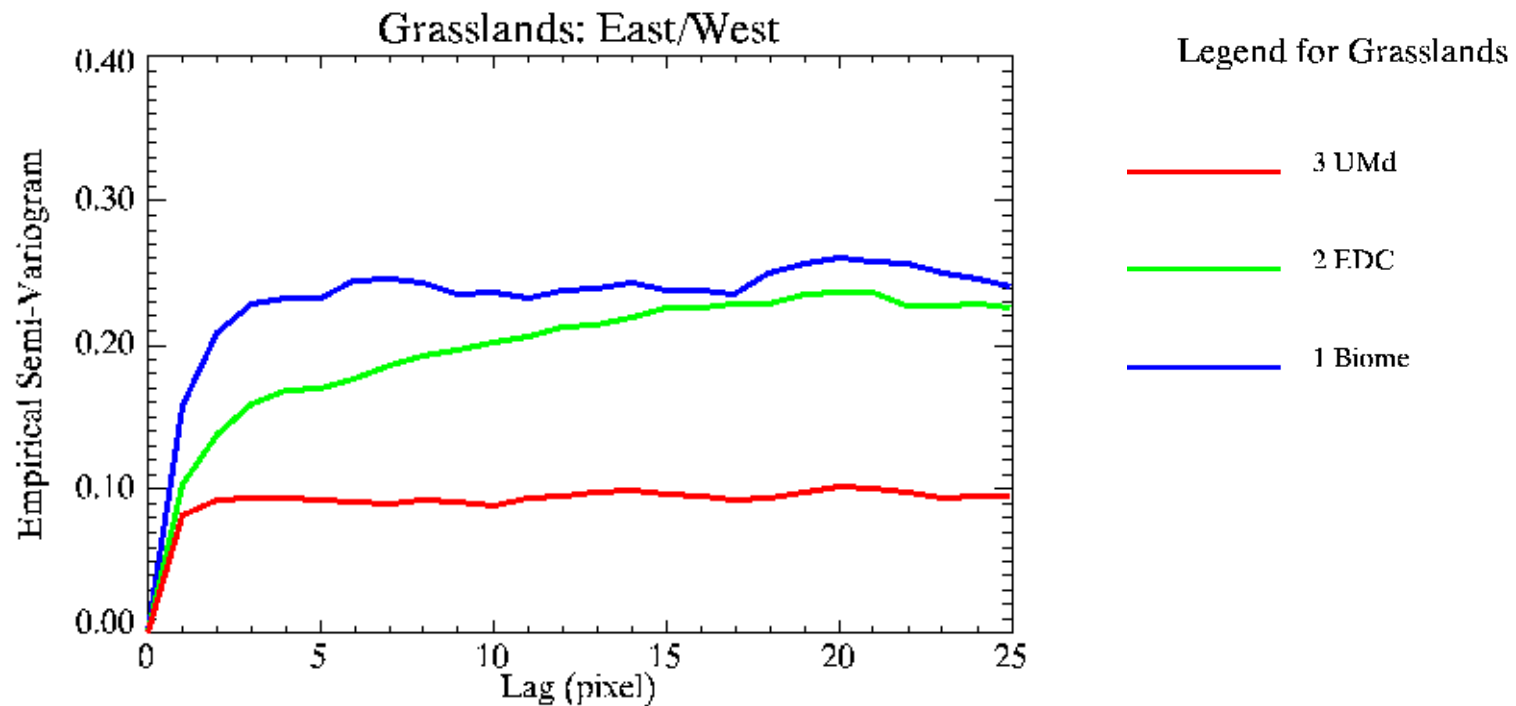


## *Indicator variograms* *North/South Direction*



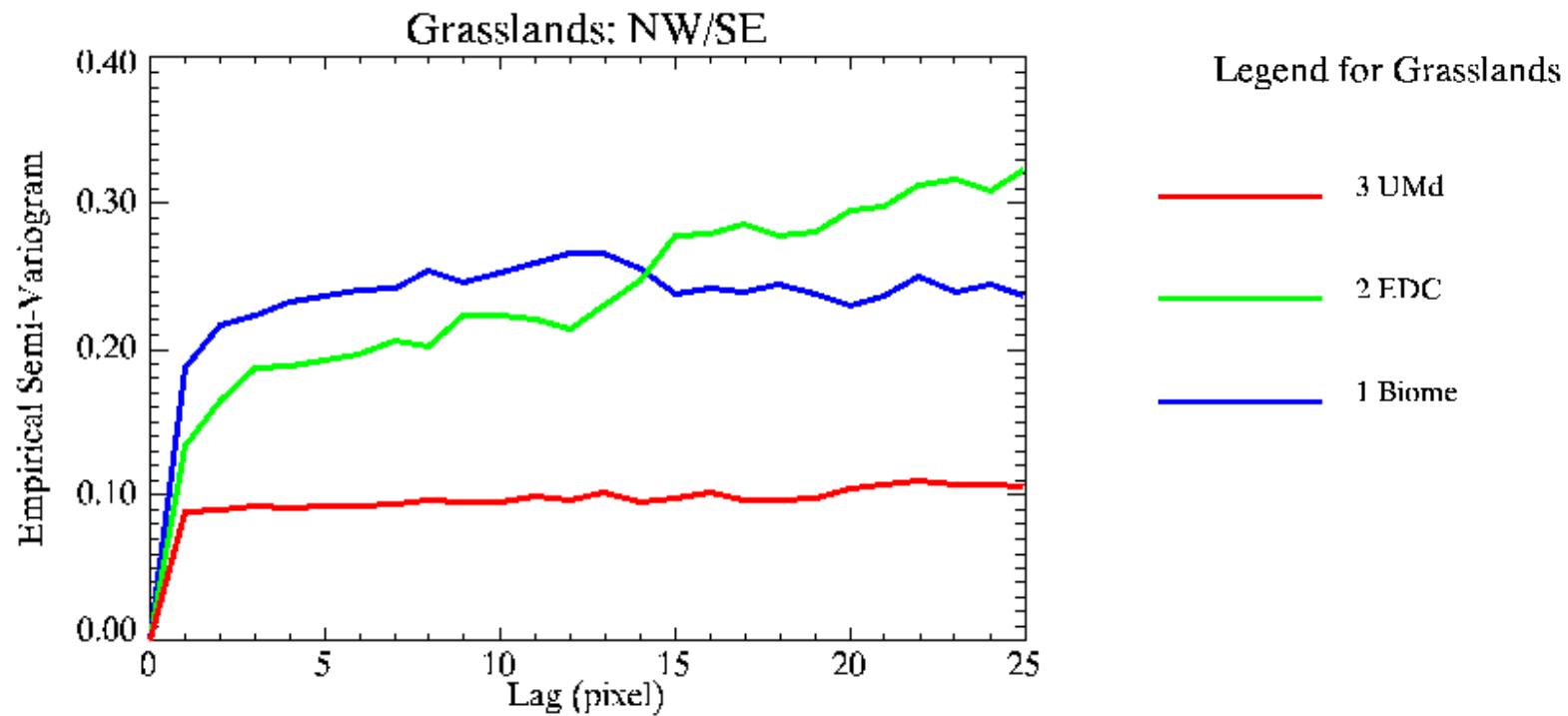


## *Indicator variograms East/West Direction*



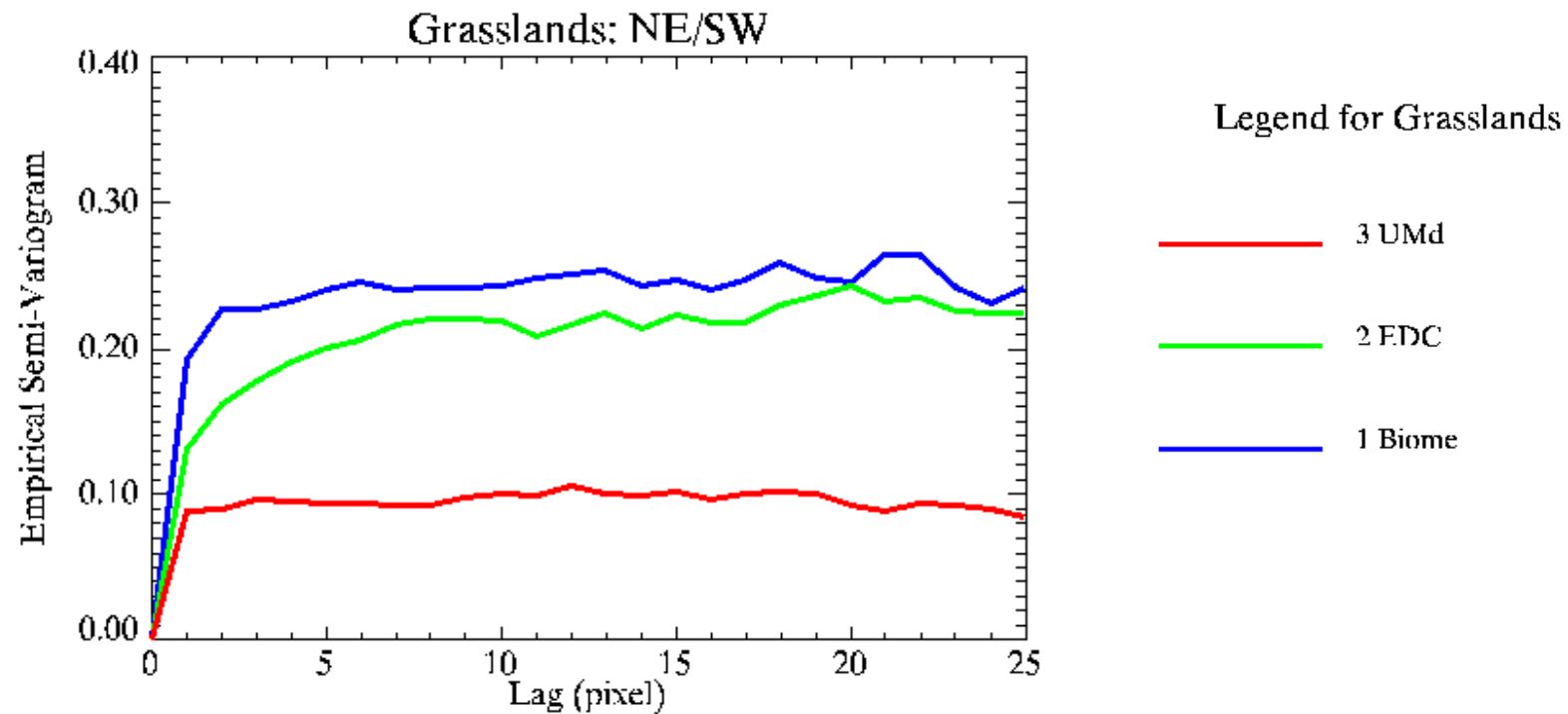


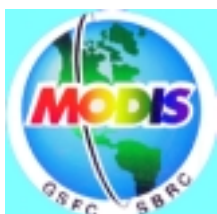
## *Indicator variograms NW/SE Direction*



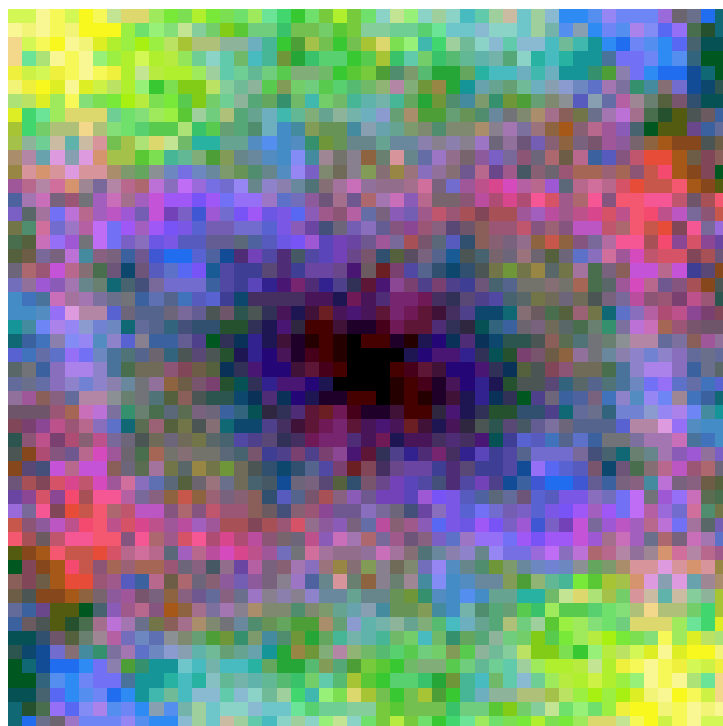


## *Indicator variograms* *NE/SW Direction*





# *Variogram map*



Legend for Grasslands

- 3 UMc
- 2 FDC
- 1 Biome

Colors are normalized within each color across the image